

THE MECHANICAL PROPERTIES OF PET-RUBBER COMPOSITES IN ATMOSPHERIC CONDITIONS

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Abstract: *The influence of air conditions on the PET-rubber composites was studied. Two sets of samples (Type I, Type II) were obtained with the same composition, but the composites of Type I are mixed at random while Type II are layered. Compression molding is the method for the obtained samples. The samples were let free in atmospheric conditions (at temperatures between 3 °C - 30 °C, under sun light and rain), for two months. These samples were mechanically tested and aging was evaluated.*

Key words: *recycling, PET-rubber composites, compression molding, compression test.*